Author Index of Volume 12

Ahring, B. K., see Petersen, S. P., 225
Akiyama, T., see Sugai, M., 133
Allison, D. G., Purification of an intracellular bacterial β-lactam by affinity chromatography, 83
Attwell, R. W., see Evrall, C. C., 183

Balagopalan, C., see Ray, R. C., 189
Balebona, M. C., Morinigo, M. A., Cornax, R., Borrego, J. J., Torregrossa, V. M. and Gauthier, M. J., Modified most-probable-number technique for the specific determination of *Escherichia coli* from environmental samples using a fluorogenic method, 235
Bellon-Fontaine, M.-N., see Busscher, H. J., 101
Bertin, B., Broux, O. and Van Hoegaerden, M., Flow cytometric detection of yeast by in situ hybridization with a fluorescent ribosomal RNA probe, 1
Bialkowska-Hobrzanska, H., Jaskot, D. and Hammerberg, O., A method for DNA restriction endonuclease fingerprinting of coagulase-negative staphylococci, 41
Bock, E., see Sand, W., 247
Borrego, J. J., see Balebona, M. C., 235
Broux, O., see Bertin, B., 1
Brown, M. R. W., see Domingue, P. A. G., 13
Busscher, H. J., Bellon-Fontaine, M.-N., Mozes, N., Van der Mei, H. C., Sjollema, J., Léonard, A. J., Rouxhet, P. G. and Cerf, O., An interlaboratory comparison of physico-chemical methods for studying the surface properties of microorganisms – application to *Streptococcus thermophilus* and *Leuconostoc mesenteroides*, 101

Cannillo, J., see Defalco, J., 207
Cao, J., A novel application of a polarization microscope for the study of microbiological specimens, 231
Carlson, D. J., see Moyer, C. L., 75
Cerf, O., see Busscher, H. J., 101
Cerniglia, C. E., see Rafii, F., 139
Cornax, R., see Balebona, M. C., 235
Costeron, J. W., see Domingue, P. A. G., 13

Defalco, J., Cannillo, J. and Nath, K., Isolation and restriction endonuclease analysis of *Gardnerella vaginalis* chromosomal DNA, 207
Demchuck, B. S., see Salfinger, M., 97
Dhanvantari, B. N., see Finnen, R. L., 57
Domingue, P. A. G., Mottle, B., Morck, D. W., Brown, M. R. W. and Costeron, J. W., A simplified rapid method for the removal of iron and other cations from complex media, 13
Döller, P. C., Heizman, W. R. and Werner, H., Rapid identification of *Escherichia coli* in monomicrobial urine specimens by a fluorogenic assay, 51

Ellen, R. P., see Li, J., 91
Evrall, C. C., Attwell, R. W. and Smith, C. A., A semi-micro quantitative assay for determination of chitinolytic activity in microorganisms, 183

Finnen, R. L., Dhanvantari, B. N. and Trevors, J. T., Plasmid profiles and restriction endonuclease analysis of genomic DNA of *Clavibacter michiganensis* ssp. *michiganensis*, 57
Fletcher, M., see Griffith, P. C., 65
Fortnagel, P., see Sand, W., 247

Gauthier, M. J., see Balebona, M. C., 235
Gooday, G. W., see Gray, D. I., 163
Gray, D. I., Gooday, G. W. and Prosser, J. I., Histological staining of nuclear material in hyphae of *Streptomyces coelicolor* A3(2), 163
Griffith, P. C. and Fletcher, M., A model system derived from marine diatoms for investigating the activity of particle-associated bacteria, 65
Gross, W., Preparation of protoplasts from the carrageenophyte *Gigartina corymbifera* (Kütz.) J. Ag. (Rhodophyta), 217

Hammerberg, O., see Bialkowska-Hobrzanska, H., 41
Heizman, W. R., see Döller, P. C., 51

Ishida, E., see Sugai, M., 133

Jaskot, D., see Bialkowska-Hobrzanska, H., 41

Kafader, F. M., see Salfinger, M., 97
Kistner, O. and Kornelius, J. H., A small-scale, three-vessel, continuous culture system for quantitative studies of plant fibre degradation by anaerobic bacteria, 173
Kornelius, J. H., see Kistner, O., 173

Li, J. and Ellen, R. P., Coaggregation of *Porphyromonas (Bacteroides)* gingivalis, other species of *Bacteriodes*, and *Actinomyces viscosus*: methodological evaluation, 91

Léonard, A. J., see Busscher, H. J., 101

Malik, K. A., A simplified liquid-drying method for the preservation of microorganisms sensitive to freezing and freeze-drying, 125
Malik, K. A., Use of activated charcoal for the preservation of anaerobic phototrophic and other sensitive bacteria by freeze-drying, 117
Miyake, Y., see Sugai, M., 133
Morck, D. W., see Domingue, P. A. G., 13
Mordy, C. W., see Moyer, C. L., 75
Morinigo, M. A., see Balebona, M. C., 235
Morita, R. Y., see Moyer, C. L., 75
Mottle, B., see Domingue, P. A. G., 13
Moyer, C. L., Mordy, C. W., Carlson, D. J. and Morita, R. Y., Ethidium homodimer used for the sensitive measurement of DNA and RNA of a psychrophilic marine bacterium grown at different growth rates during starvation-survival, 75
Mozes, N., see Busscher, H. J., 101

Nath, K., see Defalco, J., 207

Padmaja, G., see Ray, R. C., 189
Petersen, S. P. and Ahring, B. K., Analysis of sulfate in sewage sludge using ion chromatographic techniques, 225
Prosser, J. I., see Gray, D. I., 163

Rafii, F. and Cerniglia, C. E., An anaerobic non-denaturating gell assay for the detection of azoreductase from anaerobic bacteria, 139
Ray, R. C., Balagopalan, C. and Padmaja, G., Simultaneous colorimetric determination of thiosulfate and thiocyanate in the culture medium of *Rhizopus oryzae*, 189
Rouxhet, P. G., see Busscher, H. J., 101

Salfinger, M., Demchuck, B. S. and Kafader, F. M., Comparison between the MB check broth, radiometric, and conventional methods for recovery of myobacteria from respiratory specimens, 97
Sand, W., Schröter, A., Fortnagel, P. and Bock, E., Differentiation of plasmid-containing *Escherichia coli* strains by microcalorimetry, 247
Schröter, A., see Sand, W., 247
Shaw, P. J. A., see Stubberfield, L. C. F., 151
Sjollema, J., see Busscher, H. J., 101
Smith, C. A., see Evrall, C. C., 183
Stubberfield, L. C. F. and Shaw, P. J. A., A comparison of tetrazolium reduction and FDA hydrolysis with other measures of microbial activity, 151
Sugai, M., Akiyama, T., Miyake, Y., Ishida, E. and Suginaka, H., Rapid purification method of lysostaphin for analysis of cell-wall proteins, 133
Suginaka, H., see Sugai, M., 133

Thrane, U., Grouping *Fusarium* section *Discolor* isolates by statistical analyses of quantitative high performance liquid chromatographic data on secondary metabolite production, 23
Torregrossa, V. M., see Balebona, M. C., 235
Trevors, J. T., see Finnen, R. L., 57

Van Hoegaerden, M., see Bertin, B., 1
Van der Mei, H. C., see Busscher, H. J., 101

Werner, H., see Döller, P. C., 51
Wirth, S. J. and Wolf, G. A., Dye-labeled substrates for the assay and detection of chitinase and lysosyme activity, 197
Wolf, G. A., see Wirth, S. J., 197

Subject Index of Volume 12

Actinomyces, 91
Activated charcoal, 117, 125
Adhesion, 65
Affinity chromatography, 83
Anaerobe, 117
Anaerobic bacterium, 139, 173
Anaerobic digestion, 225
Anoxygenic phototrophic bacterium, 117
Aspergillus niger, 231
Azoreductase, 139

BACTEC system, 97
Bacterial typing, 41
Bacterium, 65
Birefrigence, 231

Carrageenase, 217
Carrageenophyte, 217
Cation, 13
Chelex 100 resin, 13
Chemotaxonomy, 23
Chitin derivative, 197
Chitin-azure, 183
Chitinase assay, 197
Chitinase, 183
Chitinolytic activity, 183
Cibacron Blue 3G-A, 133
Clavibacter michiganensis, 57
Coaggregation, 91
Coagulase-negative staphylococcus, 41
Complex medium, 13
Conductivity detection, 225
Conidiophore, 231
Contact angle, 101
Continuous culture, 173

Decomposer activity, 151
Dehydrogenase, 139
Depletion, 13
Detritus, 65
Diagnosis, 1
Diatom, 65
DNA analysis, 75
DNA fingerprint, 207
DNA, 247
DNA/RNA ratio, 75

Electrophoresis, 57
Environment, 247
Escherichia coli, 51, 235
Extracellular enzyme, 65

Flow cytometry, 1
Fluorescein diacetate, 151
Fluorescence, 1
Fluorocult-brolacin-agar, 51
Fusarium sector *Discolor*, 23

Gardnerella vaginalis DNA, 207
Gigartina, 217

High-pressure liquid chromatography, 133
Hyphal branch, 231

In situ hybridization, 1
Intracellular, 83
Ion chromatography, 225
IR spectroscopy, 101
Iron, 13

Leuconostoc mesenteroides, 101
Liquid-drying, 125
Long-term preservation, 125
Lyophilization, 117
Lysostaphin, 133

Marine sample, 235
Marine, 65
MB check system, 97
4-Methylumbelliferyl-β-D-glucuronide, 51
Microcalorimetry, 247
Microorganism, 125
Monobactam, 83
Most probable number technique, 235
MUG, 235
Multitivariate statistics, 23
Mycobacteria, 97
Mycobacterium tuberculosis, 97

Nuclear staining, 163

Plant fibre degradation, 173
Plaque formation, 91
Plasmid, 57, 247
Plate-clearing assay, 197
Polarization microscope, 231
Porphyromonas (Bacteroides), 91
Primary isolation, 97
Protoplast, 217
Pseudomonas aeruginosa, 83

Quantitative assay, 183

Rapid enumeration, 235
Rapid identification, 51
Reduced condition, 117

Remazol Brilliant Violet 5R, 197
Restriction endonuclease analysis, 207
Restriction endonuclease fingerprinting of chromosomal DNA, 41
Rhizopus oryzae, 189
Rhodophyta, 217
RNA analysis, 75
RNA probe, 1
Rumen bacterium, 173

S oxidation, 189
Secondary metabolite, 23
Sewage sludge, 225
Solid substrate, 173
Staphylococcus aureus, 133
Starvation-survival, 75
Streptococcus thermophilus, 101
Streptomyces coelicolor, 163
Streptomycete, 163
Succinate dehydrogenase, 151
Sulfate reduction, 225

Tetrazolium reduction, 151
Thiocyanate, 189
Thiosulphate, 189

Urinary tract specimen, 51

X-ray photoelectron spectroscopy, 101

Yeast detection, 1

Zeta potential, 101